\$	**** **** **** ****	\$	111	00000000 00000000 00000000	AAAAAAAA AAAAAAAA AAAAAAAA
\$\$\$ \$\$\$	AAA AAA	SSS	LLL LLL	000 000	AAA AAA
\$\$\$ \$\$\$ \$\$\$	AAA AAA AAA	\$\$\$ \$\$\$ \$\$\$		000 000 000 000	AAA AAA
SSSSSSSSS	***	SSSSSSSSS	iii	000 000	AAA AAA
\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	YYY	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$		000 000	AAA AAA
SSS	YYY	SSS	LLL	000 000	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
\$\$\$ \$\$\$, , , , , , , , , , , , , , , , , , ,	\$\$\$ \$\$\$	LLL LLL	000 000	AAAAAAAAAAAA AAA
\$\$\$ \$\$\$ \$\$\$	444 444	\$\$\$ \$\$\$		000 000	AAA AAA
\$	YYY	\$		00000000	AAA AAA

_\$2

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	\$	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
		\$

FILEID**CSPCJFRES

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363

CSPO

Psec Cros Asse

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CSPCJFRES

1 3

.TITLE

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FACILITY: Common Journaling Facility, Cluster Server Process

ABSTRACT:

Routine running in the CSP acting on behalf of CJF to resume the cluster failover sequence following the remastering

of Recovery Unit Journals.

AUTHOR: Paul R. Beck

DATE: 9-SEP-1983 17:00 Last Edit: 9-SEP-1983 20:15:46

MODIFIED BY:

V03-001 ADE0001 6-Feb-1984 Alan D. Eldridge

Minor cleanup.

11111111111112222222222223333333333333444444

	0000 47 : Syml	bol Definitions	
	0000 50 0000 51 0000 52	\$CLUBDEF \$IPLDEF	
0000	0000 56 :PSECT	code must run at elevated IPL, so it CJF\$CSP_CODE EXE,WRT	gets locked down.
	0000 60 : 0000 61 : The 0000 62 : MOST	following two locations are filled in RECENT CALL to that routine.	from CSP\$CJFREMASTER by the
00000000	MANA AL DECLIME	ER_ID:: .LONG 0 _ADDRESS::.LONG 0	; lock page from here to SYNCH ; most recent failover ID ; address to call to resume ; failover sequence
0000	0008 67 0008 68 0008 69 ENTRY 000A 70 000A 71 000A 72 000A 73	CJF\$RESUME_FAILOVER, ^M<>	
	000A 72 000A 73	Get the address of the cluster	failover control block
50 00000000'GF DO 50 0000010C'EF 9E	000A 74 000A 75 0011 76 0018 77	MOVL G^CLUSGL_CLUB,RO MOVAB CLUBSB_CEUFCB,RO	; First, get the cluster block ;which contains the failover blo
	0018 78 0018 79 0018 80 0018 81	Synchronize, then just quit if In that case, we expect to be c	it's the wrong failover sequence. alled again with the correct one.
1C AO DE AF D1 03 12	0018 82 0018 83 001F 84 0024 85 0026 86 0026 87	SETIPL SYNCH CMPL FAILOVER_ID, CLUFCB\$L_ID(RO) BNEQ 20\$; synchronize with cluster code ; is this the correct failover? ; if NEQ, no: we're done.
	0026 88 0026 89 0026 90 0026 91 0026 92	Restart the failover sequence. IPL\$_SYNCH, after some unknown That is, eventually, failover of get control again.	The return will also be at amount of failover code is executed. ode will fork, at which point, we
DB BF 16	0026 93 0026 94 0029 95 20\$: 0029 96 0029 97	JSB @RESUME_ADDRESS	; resume failover sequence
	0029 96 0029 97 0029 98	That's it.	
04	0029 99 0029 100 0020 101	SETIPL #0	; back to normal IPL ; return to caller
00000008	002D 103 SYNCH:	.LONG IPLS_SYNCH	

J 3

K 3 16-SEP-1984 00:32:10 VAX/VMS Macro V04-00 Page 3 5-SEP-1984 04:08:40 [SYSLOA.SRC]CSPCJFRES.MAR;1 (2) 104 105 106 107 .END ASSUME <SYNCH - LOCK> LT 512

CSPI VO4-

```
L 3
 CSPCJFRES
                                                                                                                                                                                       VAX/VMS Macro VO4-00
[SYSLOA.SRC]CSPCJFRES.MAR; 1
 Symbol table
CJF$RESUME_FAILOVER
CLU$GL_CLUB
CLUB$B_CLUFCB
CLUFCB$L_ID
FAILOVER_ID
IPL$_SYNCH
LOCK
PR$_IPL
RESOME_ADDRESS
SYNCH
                                                                 00000008 RG
                                                                                             02
                                                                 ******
                                                                0000010C
0000001C
000000000
000000008
000000000 R
                                                                                             02
                                                                                             02
02
02
02
02
                                                                 ******
                                                                 00000004 RG
                                                                                                 Psect synopsis
 PSECT name
                                                               Allocation
                                                                                                     PSECT No.
                                                                                                                          Attributes
                                                                                                                          NOPIC
NOPIC
NOPIC
                                                                                                                                                                                   NOSHR NOEXE NORD
NOSHR EXE RD
NOSHR EXE RD
                                                                                                                                         USR
USR
USR
                                                                                                                                                     CON
CON
                                                                                                                                                                ABS
ABS
REL
                                                                                                                                                                                                                      NOWRT NOVEC BYTE WRT NOVEC BYTE
      ABS
                                                               00000000
 SABS$
                                                               00000000
 CJF$CSP_CODE
                                                                                           Performance indicators
 Phase
                                                 Page faults
                                                                              CPU Time
                                                                                                           Elapsed Time
                                                                             00:00:00.02
00:00:00.49
00:00:01.48
00:00:00.12
00:00:00.31
00:00:00.01
00:00:00.02
00:00:00.02
                                                                                                          00:00:02.05
00:00:02.14
00:00:06.40
00:00:00.37
00:00:01.23
00:00:00.01
                                                               36
143
160
 Initialization
 Command processing
 Pass 1
Symbol table sort
                                                                36
 Pass 2
Symbol table output
                                                                                                           00:00:00.00
Psect synopsis output
 Cross-reference output
 Assembler run totals
The working set limit was 1200 pages.
9579 bytes (19 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 176 non-local and 1 local symbols.
107 source lines were read in Pass 1, producing 16 object records in Pass 2.
11 pages of virtual memory were used to define 10 macros.
                                                                                         Macro library statistics
 Macro library name
                                                                                        Macros defined
_$255$DUA28:[SYSLOA.OBJ]CLUSTER.MLB;1
_$255$DUA28:[SYS.OBJ]LIB.MLB;1
_$255$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)
 245 GETS were required to define 7 macros.
 There were no errors, warnings or information messages.
```

CSPP VO4CSPCJFRES VAX-11 Macro Run Statistics

M 3

16-SEP-1984 00:32:10 VAX/VMS Macro V04-00 Page 5-SEP-1984 04:08:40 [SYSLOA.SRC]CSPCJFRES.MAR;1

MACRO/LIS=LIS\$:CSPCJFRES/OBJ=OBJ\$:CSPCJFRES MSRC\$:CSPCJFRES/UPDATE=(ENH\$:CSPCJFRES)+EXECML\$/LIB+LIB\$:CLUSTER/LIB

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